

CIRCULARLY POLARIZING FILM WITH HIGH BRIGHTNESS, DISPLAY DEVICE USING THE SAME AND ORGANIC ELECTROLUMINESCENCE DISPLAY DEVICE

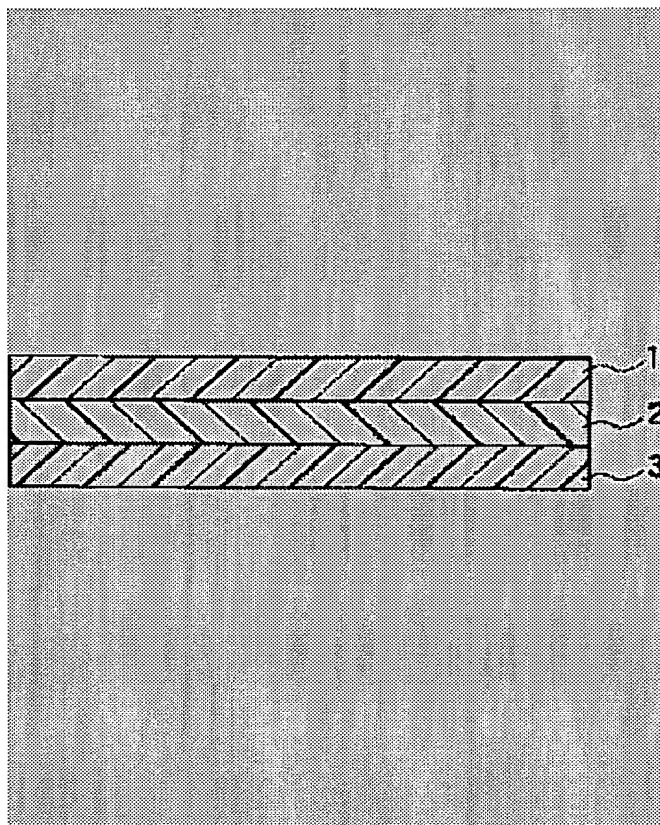
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Abstract of JP2001311826

PROBLEM TO BE SOLVED: To provide a circularly polarizing film with high brightness improving visibility of a display device, a display device and an organic electroluminescence display device using the same.

SOLUTION: The circularly polarizing film comprises a polarizing element dyed with a dichroic substance, a non-absorptive polarizing element with a polarized light separation function by reflection or scattering and a single or plural layered birefringent layer. The non-absorptive polarizing element with a polarized light separation function by reflection is preferably a circularly polarized light selective reflection element composed of a cholesteric liquid crystal polymer.

For example, the polarizing element 1 made by using a dichroic substance (an absorptive polarizing element), a $\lambda/4$ birefringent film 2 and a cholesteric liquid crystal polymer film 3 (a Ch-LCP layer) are integrally adhered with an acrylic pressure sensitive adhesive.



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